

in the main channel above Scandia, Kans. At the latter place and also at Concordia, Kans., slight overflows occurred on the 26th. At and below Clay Center, Kans., slight to moderate overflows occurred on the 26th, with a crest of 18.4 feet, 3.4 feet above bankful, at Clay Center on that day. Another slight overflow occurred at Clay Center on the last day of the month.

Slight overflows of the Little Blue River crested at Hanover, Kans., on the 20th, 26th, and 30th and at Endicott, Nebr., on September 1. The greatest overflow since the record-breaking flood of June 1941 along the Big Blue River at and below Blue Rapids, Kans., began on the 25th and crested the following day. The crest at Blue Rapids was 12.6 feet above flood stage, and at Randolph, Kans., the crest was 6.4 feet above flood stage.

Light overflow also occurred during the month along the Kansas, Grand, Osage, and extreme lower Missouri River.

Owing to the fact that most crops, except corn, in the area had matured and had been harvested, damage resulting from the August overflows was comparatively small. Preliminary estimates show the following losses: Republican River, \$25,000, occurring mostly in the vicinity of Clay Center, Kans.; Blue River, \$91,000, mostly to highways, bridges, and crops; Kansas River, \$17,000, mostly to highways and bridges. In the other streams, no damage of consequence occurred.

**West Gulf of Mexico Drainage.**—Excessive rains occurred in the middle portion of the Nueces River Basin and in the upper Pedernales River Basin in southwest Texas near the end of the month. Almost 18 inches fell at Bankersmith, Tex., in the 4-day period August 27–31. The Pedernales River reached the highest stage ever recorded near Johnson City, Tex. A flood was in progress on the Nueces River at the end of the month, the crest having passed Cotulla, Tex., on the 30th with the stage 11.6 feet above flood stage.

On the night of August 23–24, a cloudburst occurred over a small section of Presidio County, Tex., north of the Chinati Mountains, in the upper watershed of Cibolo Creek. Unofficial reports place the amount of rainfall at about 5 inches. A flash flood along the creek resulted that overflowed a section of Highway 67, about 200 yards of the Santa Fe Railroad track, 250 acres of maturing crops, and some streets of Presidio. The approaches of the long bridge, 4 miles north of Presidio were washed away. Seven adobe houses were destroyed. Damage was estimated at \$67,500.

Light to moderate flooding occurred along the lower Rio Grande, at and below Rio Grande City, Tex., from August 24 to September 5. The rise started from heavy rains over the Rio Grande Valley and the San Juan River watershed that occurred in connection with a tropical disturbance that moved inland just south of Brownsville,

Tex., on August 22. Heavy rains again fell over the valley on the 27th, 28th, and 30th, that maintained the high stages for several days. Damage caused by the flood was not large.

### FLOOD-STAGE REPORT FOR AUGUST 1944

[All dates in August unless otherwise indicated]

River and station	Flood stage	Above flood stages— dates		Crest <sup>1</sup>	
		From—	To—	Stage	Date
MISSISSIPPI SYSTEM					
Upper Mississippi Basin					
Middle: Indianola, Iowa.....	Feet 14	26	27	16.1	27
		4	4	12.0	4
		9	9	12.0	9
Mississippi: Louisiana, Mo.....	12	16	24	12.3	17
		26	26	12.0	26
		30	30	12.0	30
Missouri Basin					
Solomon: Beloit, Kans.....	18	3	3	19.8	3
		27	27	20.0	27
		31	Sept. 1	21.2	Sept. 1
Republican:					
Guide Rock, Nebr.....	9	25	26	9.8	25
Scandia, Kans.....	10	26	26	11.0	26
Concordia, Kans.....	8	26	26	8.5	26
		26	27	18.4	26
Clay Center, Kans.....	15	29	29	15.8	29
		30	31	16.2	31
Wakefield, Kans.....	11	26	26	12.0	26
Junction City, Kans.....	10	26	26	11.0	26
Little Blue:					
Endicott, Nebr.....	11	30	Sept. 1	12.5	Sept. 1
		20	20	16.5	20
Hanover, Kans.....	14	25	27	16.6	26
		30	Sept. 1	16.6	30
Big Blue:					
Barnston, Nebr.....	18	30	31	21.2	30
		20	21	21.5	20-21
Blue Rapids, Kans.....	20	25	27	32.6	26
		30	Sept. 1	25.0	31
Randolph, Kans.....	22	26	28	28.45	26
		30	Sept. 1	25.0	31
Kansas:					
Ogden, Kans.....	18	26	26	19.0	26
Manhattan, Kans.....	17	26	28	22.65	27
		31	Sept. 1	17.9	31
Wamego, Kans.....	16	26	28	19.8	27
Topeka, Kans.....	21	26	28	24.1	27-28
LeCompton, Kans.....	17	26	29	19.6	27
Lawrence, Kans.....	18	27	29	20.0	28
Grand:					
Chillicothe, Mo.....	18	26	28	23.1	27
Brunswick, Mo.....	12	28	30	15.0	29
Osage:					
Quenemo, Kans.....	30	27	27	31.2	27
La Cygne, Kans.....	25	27	30	27.3	29
Trading Post, Kans.....	24	26	30	26.2	27
Osceola, Mo.....	20	27	29	22.7	29
Lakeside (Bagnell Dam), Mo.....	60	28	30	60.1	29-30
Missouri:					
Hermann, Mo.....	21	30	31	21.3	30-31
St. Charles, Mo.....	25	30	Sept. 1	26.25	31
WEST GULF OF MEXICO DRAINAGE					
Nueces: Cotulla, Tex.....	15	29	(?)	26.65	30
Rio Grande:					
Rio Grande City, Tex.....	21	24	26	26.3	25
		29	Sept. 1	26.6	30
Hidalgo, Tex.....	21	27	29	21.5	27
		29	(?)		
Mercedes, Tex.....	21	25	(?)		

<sup>1</sup> Provisional.

<sup>2</sup> Continued at end of month.